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that in Fig. 2, except that the rotor has a magnet cylinder with a lumpy edge 5 which is a combination of a plurality of concave surfaces 52 and a plurality of convex surfaces 51 arranged in an arbitrary (or random) sequence. Certainly, a structure for magnetizing a stator magnet is also suitable, wherein the stator has a magnet cylinder with a lumpy edge 5 of the type shown in FIG. 5 in connection with the rotor and which is a combination of a plurality of concave surfaces and a plurality of convex surfaces arranged in an arbitrary (or random) sequence.

In the Drawings

Please replace FIG. 5 with substitute FIG. 5.

In the Claims

Please cancel claims 3, 7, 10 and 12 without prejudice or disclaimer of their subject matter.

Please amend claims 1, 5, 9 and 11 as follows:

1. (Thrice Amended) A structure for magnetizing a rotor magnet of a motor, comprising:

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a rotor, the rotor being a unitary magnet cylinder bounded by an inner surface and outer surface, wherein at least one of said surfaces is a unitary and continuous wavy curve surface comprising a plurality of continuous and intersecting curve surfaces having different arc centers; and

a stator having a plurality of silicon steel sheets wound by a plurality of winding coils.

5. (Twice Amended) A structure for magnetizing a stator magnet of a motor, comprising:

C3 a stator, the stator being a unitary magnet cylinder bounded by an inner surface and outer surface, wherein at least one of said surfaces is a unitary and continuous wavy curve surface comprising a plurality of continuous and intersecting curve surfaces having different arc centers; and

a rotor having a plurality of silicon steel sheets wound by a plurality of winding coils.

9. (Thrice Amended) A structure for magnetizing a rotor magnet, comprising:

C4 a rotor, the rotor being a unitary magnet cylinder with a lumpy edge comprising a plurality of concave surfaces and a plurality of convex surfaces arranged in a random sequence; and

a stator having a plurality of silicon steel sheets wound by a plurality of winding coils and mounted inside said magnet cylinder.

11. (Thrice Amended) A structure for magnetizing a stator magnet, comprising:

C5 a stator, the stator being a unitary magnet cylinder with a lumpy edge comprising a plurality of concave surfaces and plurality of convex surfaces arranged in a random sequence; and